



## PERSONNEL QUALIFICATIONS

# Elizabeth Ordner Cassin | Principal, Associate Executive Director of Project Operations, and Midwest Region Director



### EDUCATION

- University of Illinois at Urbana-Champaign
  - Bachelor of Science, Architecture, 2001
  - Master of Architecture, Structures, 2003

### PRACTICE AREAS

- Building Enclosure Commissioning
- Facade Assessment
- Peer Review
- Historic Preservation
- Repair and Rehabilitation Design

### REGISTRATIONS

- Architect in AL, IA, IL, KY, and NC
- LEED Accredited Professional

### PROFESSIONAL AFFILIATIONS

- Building Enclosure Council - Chicago

### TECHNICAL COMMITTEES

- ASHRAE Technical Committee - 4.4 Building Materials and Building Envelope Performance
- ASHRAE SSPC 90.1 - Envelope Subcommittee
- ASTM E06.55- Performance of Building Enclosures

### CONTACT

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### EXPERIENCE

Elizabeth Cassin has extensive experience with building enclosure commissioning (BECx) and peer review services, condensation investigation, hygrothermal analyses of various facade systems, investigation and repair design of distressed conditions in building facades, and historic preservation. Her specific expertise includes the evaluation of building enclosures concerning their control of and response to environmental loads, including the performance of curtain wall and window systems, sloped glazing and skylights, cladding systems, air barriers, and insulation. Ms. Cassin has also performed investigations and condition surveys on numerous building types for various building enclosure systems. Such investigations often result in the development of repair designs to remediate distressed or defective building enclosures.

### REPRESENTATIVE PROJECTS

#### Building Enclosure Commissioning

- University of Iowa, Biological Research Support Facility - Iowa City: Building enclosure commissioning provider (BECxP) for 52,000-square-foot research facility
- Argonne National Laboratory, Energy Sciences Building - Lemont, IL: BECxP for 150,000-square-foot laboratory building
- Argonne National Laboratory, Materials Design Laboratory - Lemont, IL: BECxP for 115,000-square-foot laboratory building
- Advocate Christ Medical Center, New Ambulatory Pavilion - Oak Lawn, IL: BECxP for two-story operating room addition
- Wisconsin Institutes for Discovery, University of Wisconsin-Madison: BECxP for 300,000-square-foot office and laboratory building
- Iowa State University, Geoffroy Hall - Ames: BECxP for 154,000-square-foot dormitory building
- Iowa State University, Advanced Teaching and Research Building - Ames: BECxP for 160,000-square-foot biosciences facility
- Harvard University, Science and Engineering Complex - Boston, MA: BECx for 500,000-square-foot teaching and research facility
- Iowa State University, Student Innovation Center - Ames: BECxP for 140,000-square-foot teaching and research facility
- Iowa State University, Gerdin Business Building Expansion - Ames: BECxP for 45,000-square-foot classroom addition

- University of Iowa, Peterson Residence Hall - Iowa City: BECx for 250,000-square-foot dormitory building
- University of Iowa, Hancher Auditorium - Iowa City: BECx for 190,000-square-foot performance hall, classroom, and office building
- University of Iowa Children's Hospital - Iowa City: BECx for 480,000-square-foot children's hospital
- Rush University Medical Center, New Ambulatory Building - Chicago, IL: BECxP for 480,000-square-foot outpatient care center

### Peer Review

- Cleveland Medical Mart and Convention Center - OH
- University of Rhode Island, Hillside Hall - Kingston
- Cox Medical Center South Emergency Department - Springfield, MO
- University of Colorado Boulder, Systems Biotechnology Building
- Forest Park Medical Center - Dallas, TX
- Champaign Unit 4 School District (two schools) - Champaign, IL

### Facade Assessment

- Integrated DNA Technologies Building - Coralville, IA: Thermal analysis
- John C. Kluczynski Federal Building - Chicago, IL: Thermal analysis
- Meriter Hospital - Madison, WI: Curtain wall condensation investigation

### Historic Preservation

- Old McLean County Courthouse - Bloomington, IL: 1900s limestone, granite, and marble facade
- Santa Fe Building - Chicago, IL: 1910s terra cotta facade
- The Chicago Theatre - IL: 1920s terra cotta facade
- 188 West Randolph (Randolph Tower) - Chicago, IL: 1920s terra cotta facade

### Repair and Rehabilitation Design

- Brantford General Hospital - Brantford, ON: Window replacement and water leakage investigation and repairs
- Presbyterian Hospital of Greenville - Greenville, TX: Brick masonry facade investigation and recladding